

EXPRESS MAIL NO.: EV148864502US
SERIAL NO.: NOT YET ASSIGNED
TITLE: Multiplier Circuit
INVENTOR(S): Paul W. Winterrowd

MAILING DATE: 8/30/2003
ATTORNEY DOCKET NO.: 200300504-1

1/12

Diagram illustrating a multiplier circuit structure. The inputs are labeled 110h, 110g, 110f, 110e, 110d, 110c, 110b, and 110a. The outputs are grouped into four sets: 102, 104, 106a, 106b, 106c, 106d, and 108. The circuit is represented by a grid of 0s and 1s, with vertical lines connecting the inputs to the grid and horizontal lines connecting the grid to the outputs.

0	1	0	0	0	1	1	0	0	102
0	0	1	0	1	0	1	0	1	104
0	1	0	1	0	1	0	1	0	106a
0	0	0	0	1	0	1	0	0	106b
0	0	0	0	0	0	0	0	0	106c
0	0	0	0	0	0	0	0	0	106d
0	1	0	0	0	1	1	1	0	108

FIG. 1
(PRIOR ART)

Diagram illustrating a multiplier circuit structure. The inputs are labeled 110h, 110g, 110f, 110e, 110d, 110c, 110b, and 110a. The outputs are grouped into four sets: 106a, 106b, 106c, 106d, 302, 304, and 306. The circuit is represented by a grid of 0s and 1s, with vertical lines connecting the inputs to the grid and horizontal lines connecting the grid to the outputs.

0	1	0	0	0	1	1	0	0	106a
0	0	1	0	1	0	1	0	1	106b
0	1	0	1	0	1	0	0	1	106c
0	0	0	0	0	0	0	0	0	106d
0	0	1	1	0	1	1	1	0	302
0	0	0	1	0	0	0	0	0	304
0	1	0	0	0	1	1	1	0	306

FIG. 3
(PRIOR ART)

EXPRESS MAIL NO.: EV148864502US
SERIAL NO.: NOT YET ASSIGNED
TITLE: Multiplier Circuit
INVENTOR(S): Paul W. Winterrowd

MAILING DATE: 8/30/2003
ATTORNEY DOCKET NO.: 200300504-1

2/12

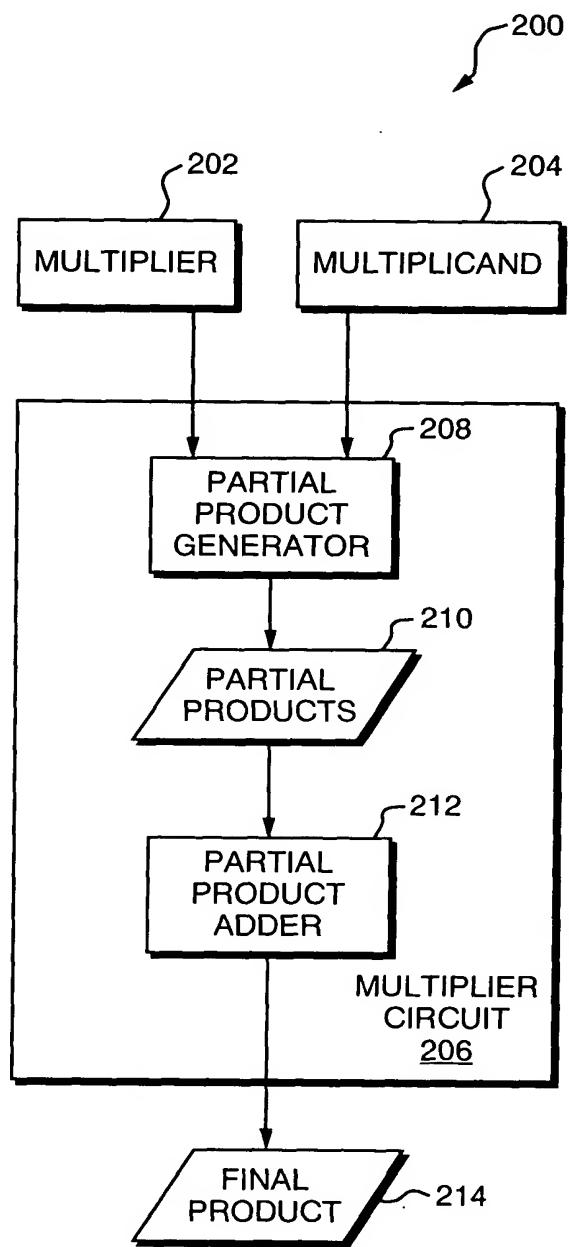


FIG. 2
(PRIOR ART)

EXPRESS MAIL NO.: EV148864502US
SERIAL NO.: NOT YET ASSIGNED
TITLE: Multiplier Circuit
INVENTOR(S): Paul W. Winterrowd

MAILING DATE: 8/30/2003
ATTORNEY DOCKET NO.: 200300504-1

3/12

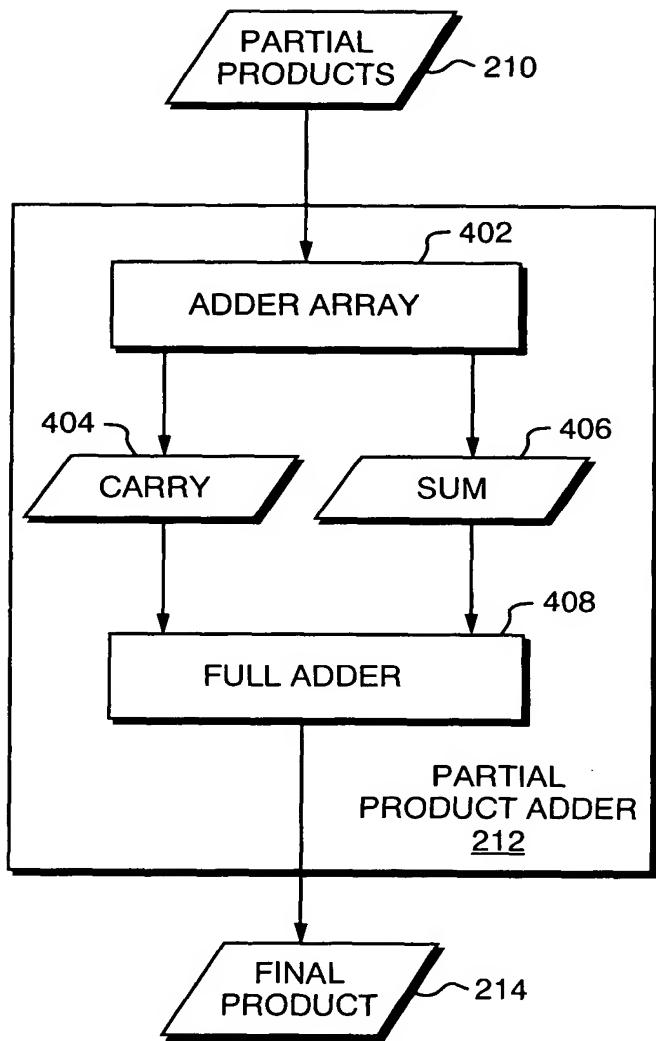


FIG. 4
(PRIOR ART)

EXPRESS MAIL NO.: EV148864502US
SERIAL NO.: NOT YET ASSIGNED
TITLE: Multiplier Circuit
INVENTOR(S): Paul W. Winterrowd

MAILING DATE: 8/30/2003
ATTORNEY DOCKET NO.: 200300504-1

4/12

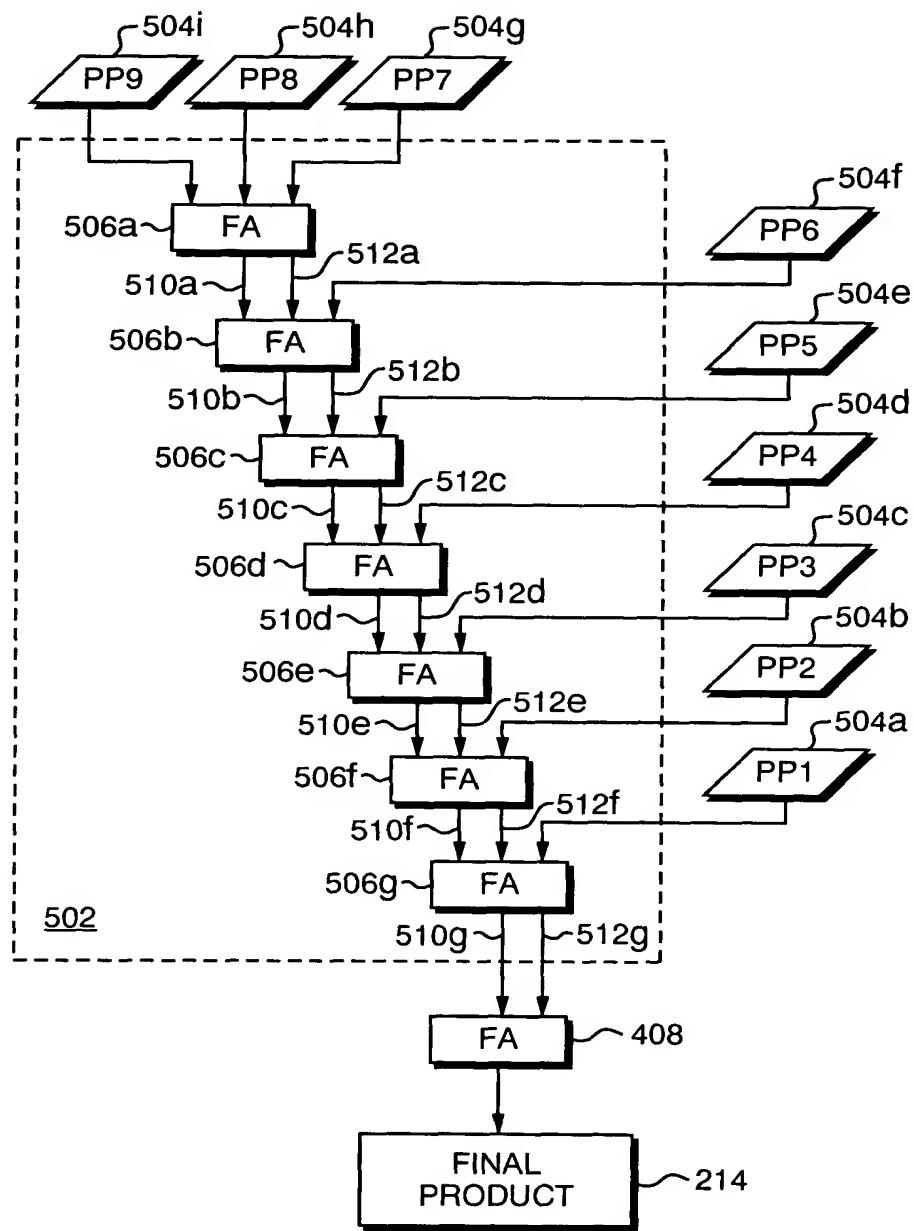


FIG. 5A

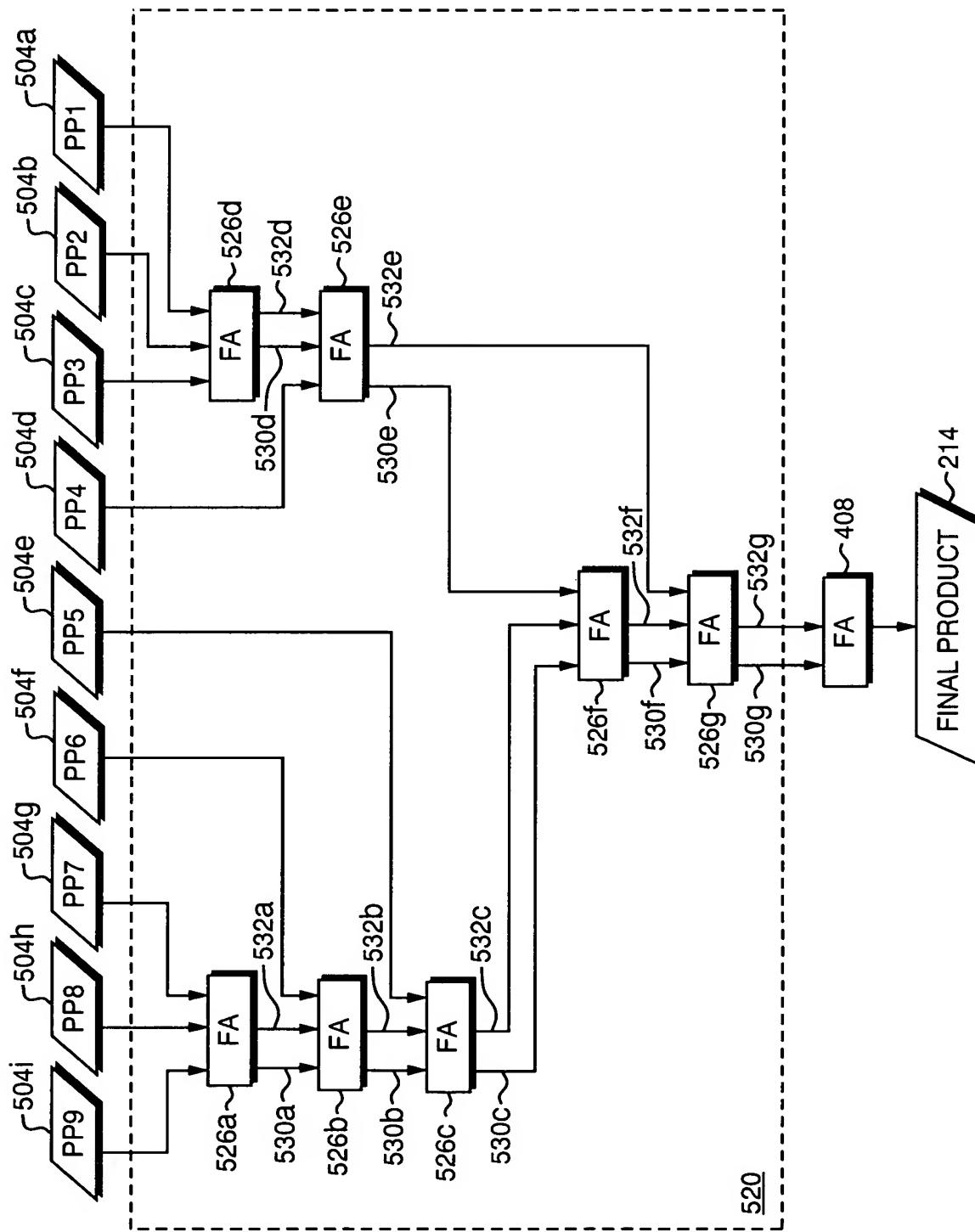


FIG. 5B
(PRIOR ART)

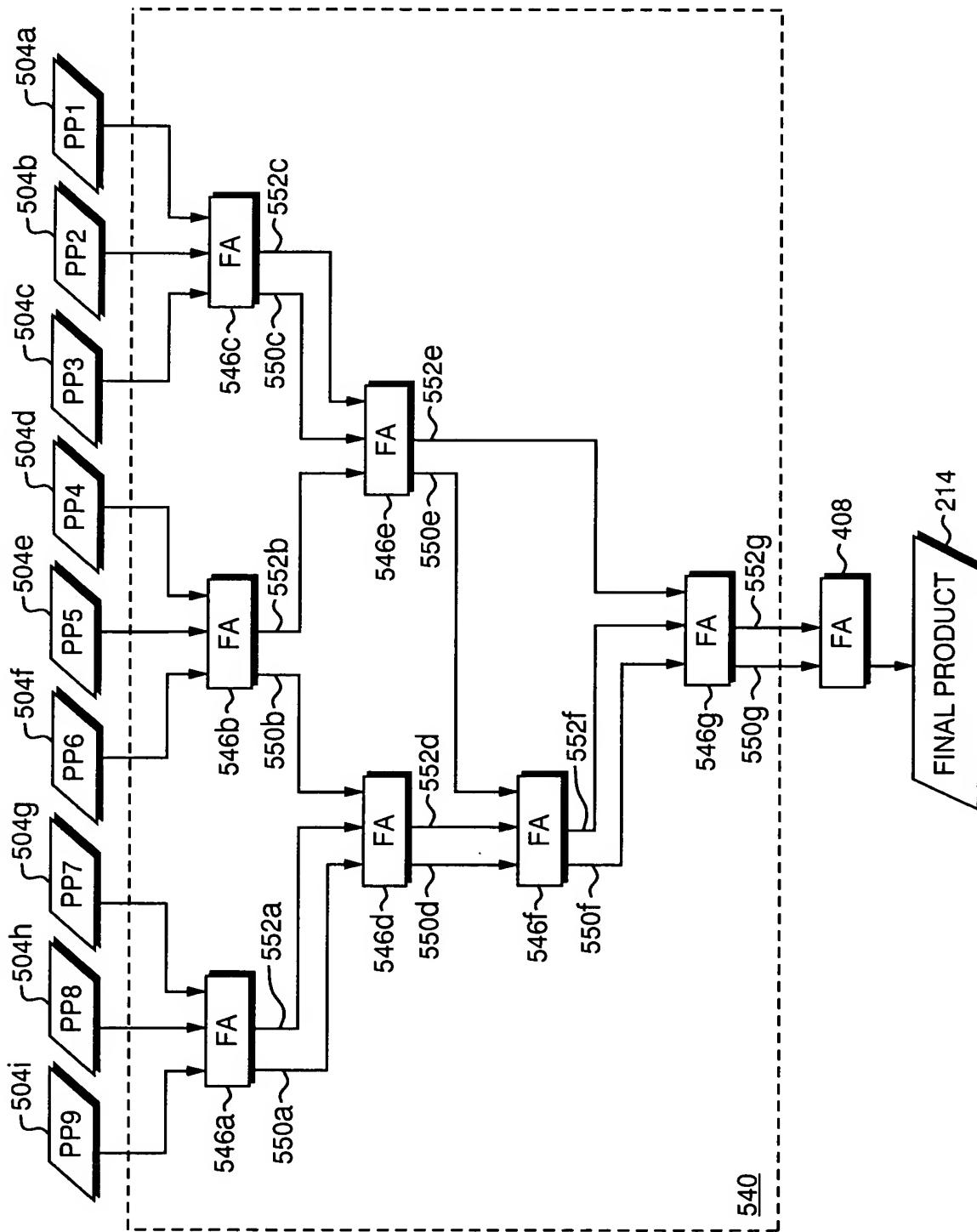


FIG. 5C
(PRIOR ART)

EXPRESS MAIL NO.: EV148864502US
SERIAL NO.: NOT YET ASSIGNED
TITLE: Multiplier Circuit
INVENTOR(S): Paul W. Winterrowd

MAILING DATE: 8/30/2003
ATTORNEY DOCKET NO.: 200300504-1

7/12

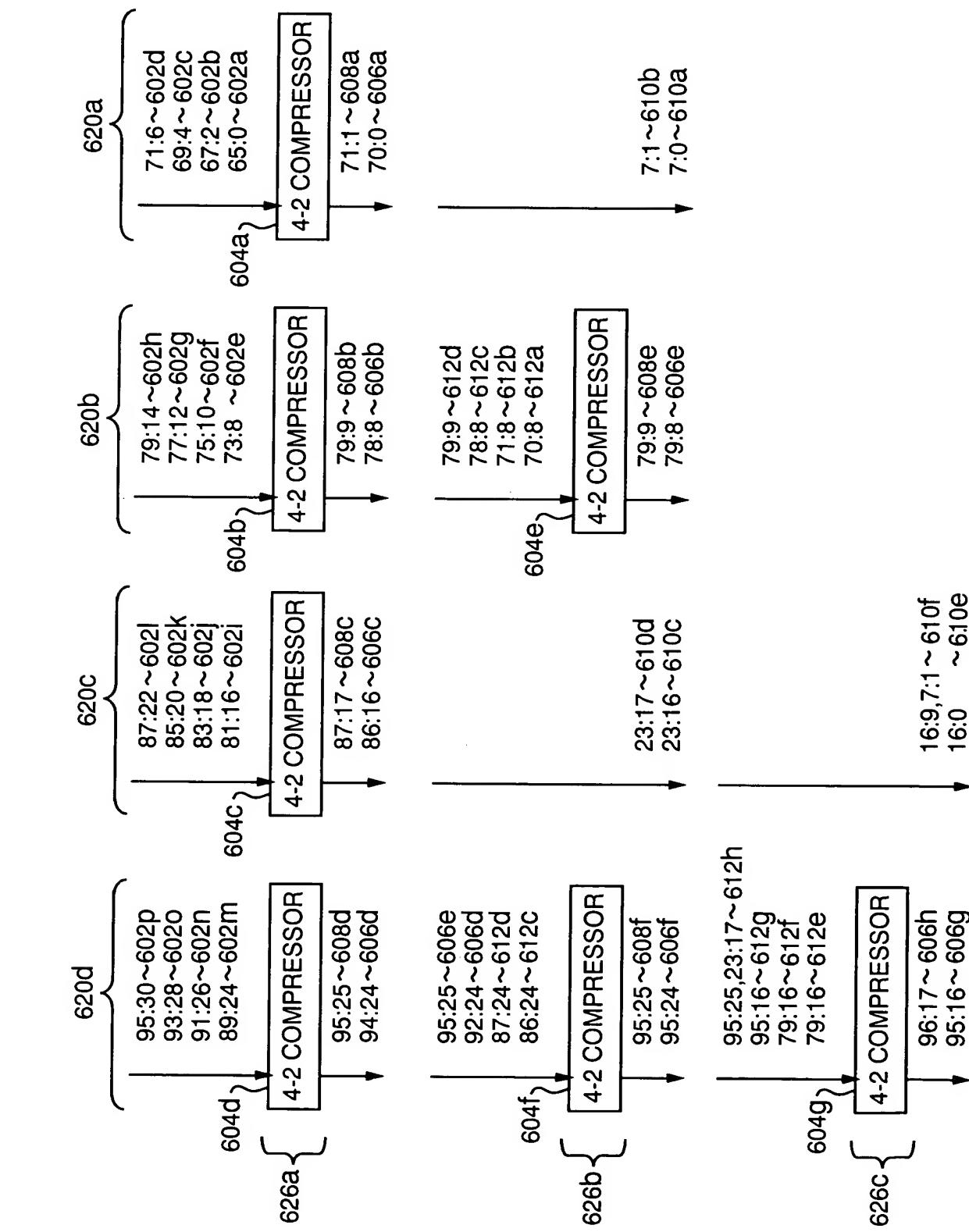


FIG. 6

EXPRESS MAIL NO.: EV148864502US
SERIAL NO.: NOT YET ASSIGNED
TITLE: Multiplier Circuit
INVENTOR(S): Paul W. Winterrowd

MAILING DATE: 8/30/2003
ATTORNEY DOCKET NO.: 200300504-1

8/12

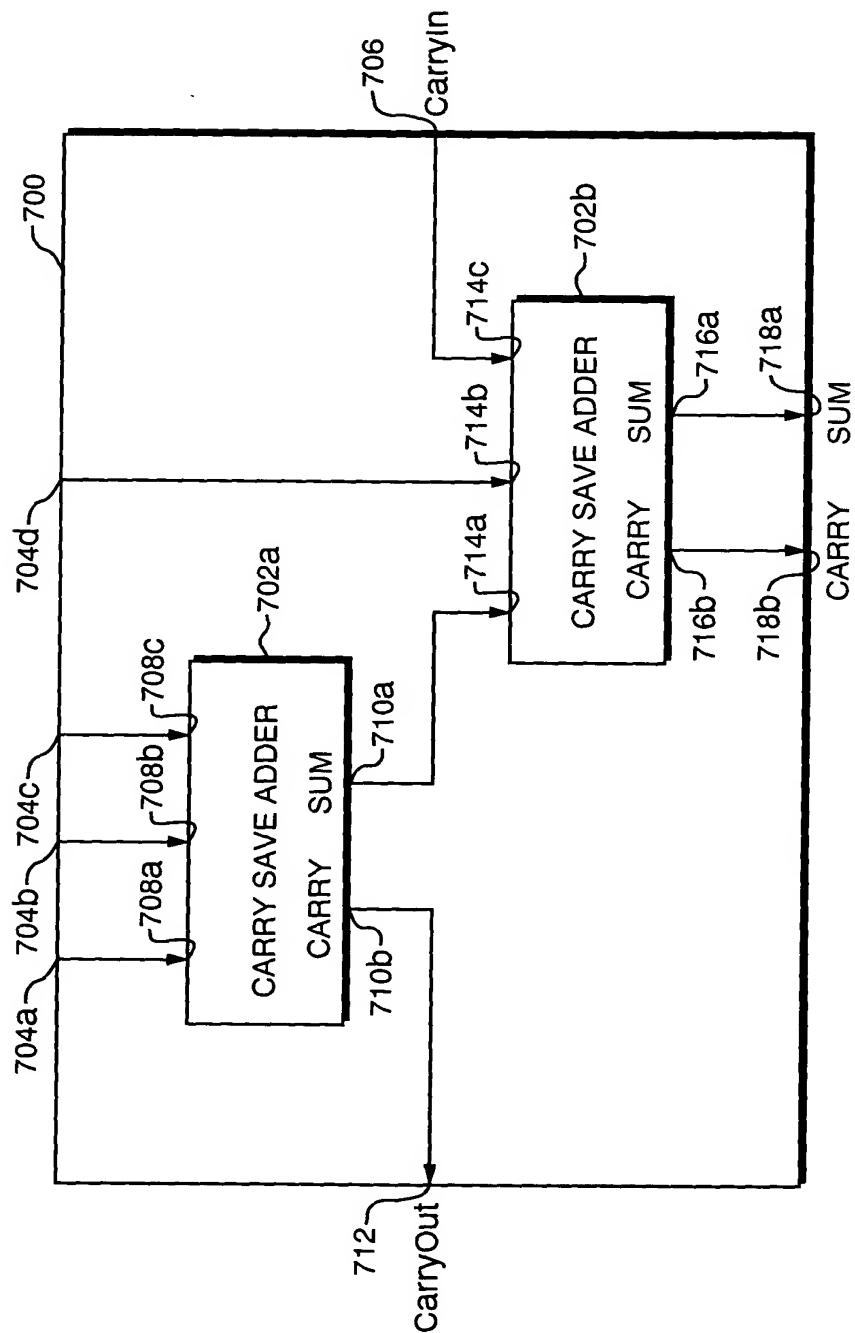


FIG. 7

EXPRESS MAIL NO.: EV148864502US
SERIAL NO.: NOT YET ASSIGNED
TITLE: Multiplier Circuit
INVENTOR(S): Paul W. Winterrowd

MAILING DATE: 8/30/2003
ATTORNEY DOCKET NO.: 200300504-1

9/12

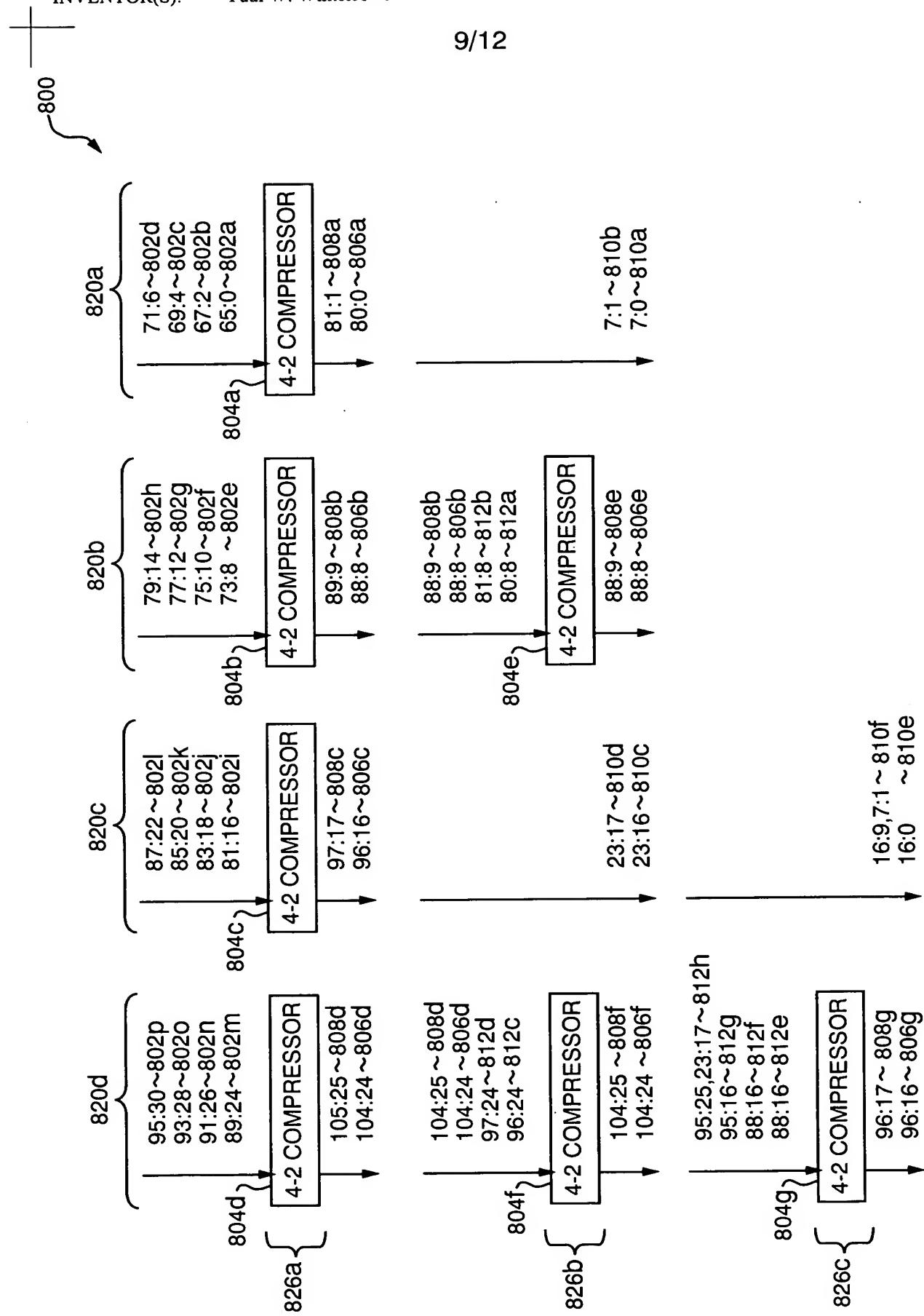


FIG. 8

EXPRESS MAIL NO.: EV148864502US
SERIAL NO.: NOT YET ASSIGNED
TITLE: Multiplier Circuit
INVENTOR(S): Paul W. Winterrowd

MAILING DATE: 8/30/2003
ATTORNEY DOCKET NO.: 200300504-1

10/12

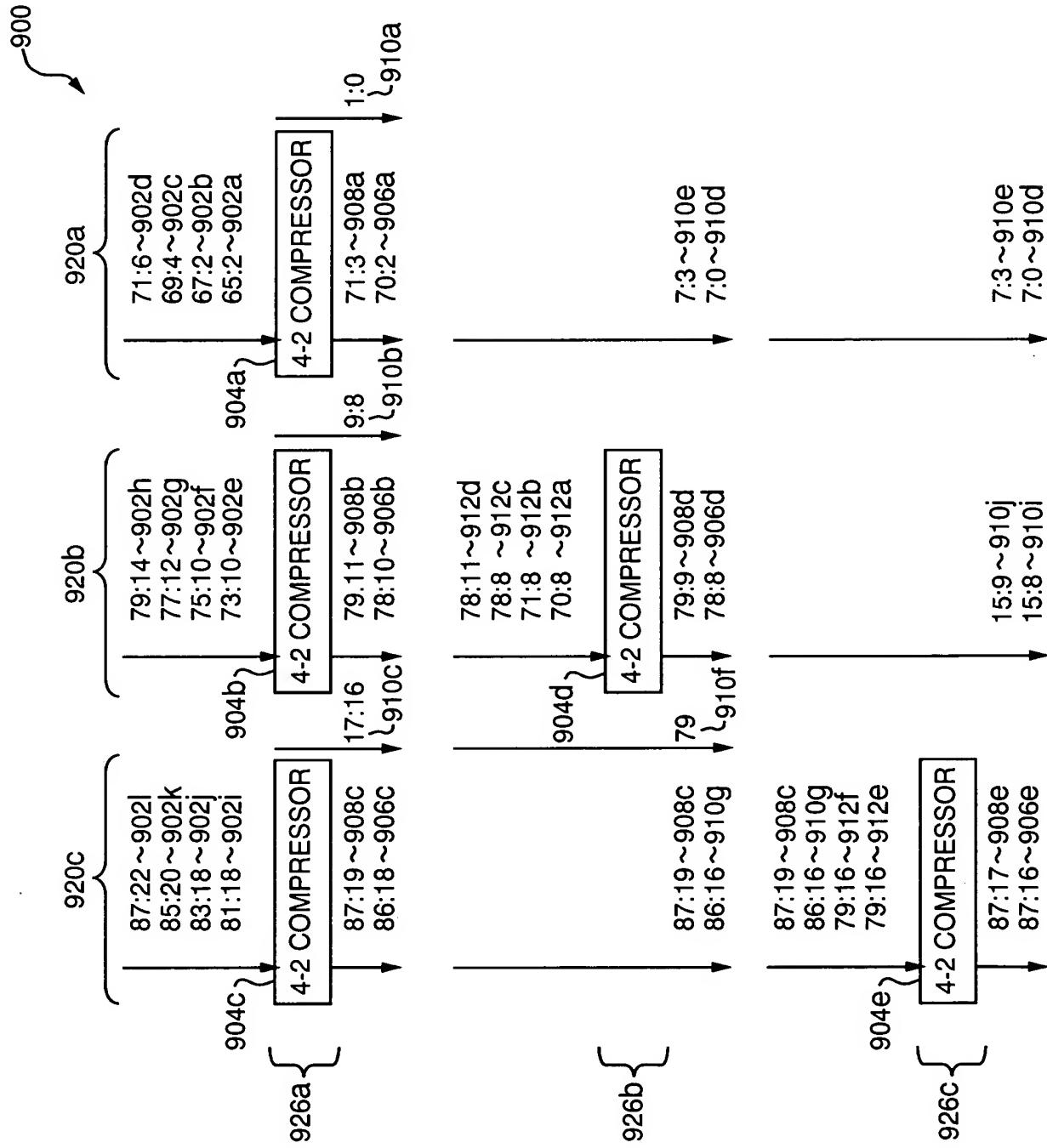


FIG. 9

EXPRESS MAIL NO.: EV148864502US
SERIAL NO.: NOT YET ASSIGNED
TITLE: Multiplier Circuit
INVENTOR(S): Paul W. Winterrowd

MAILING DATE: 8/30/2003
ATTORNEY DOCKET NO.: 200300504-1

11/12

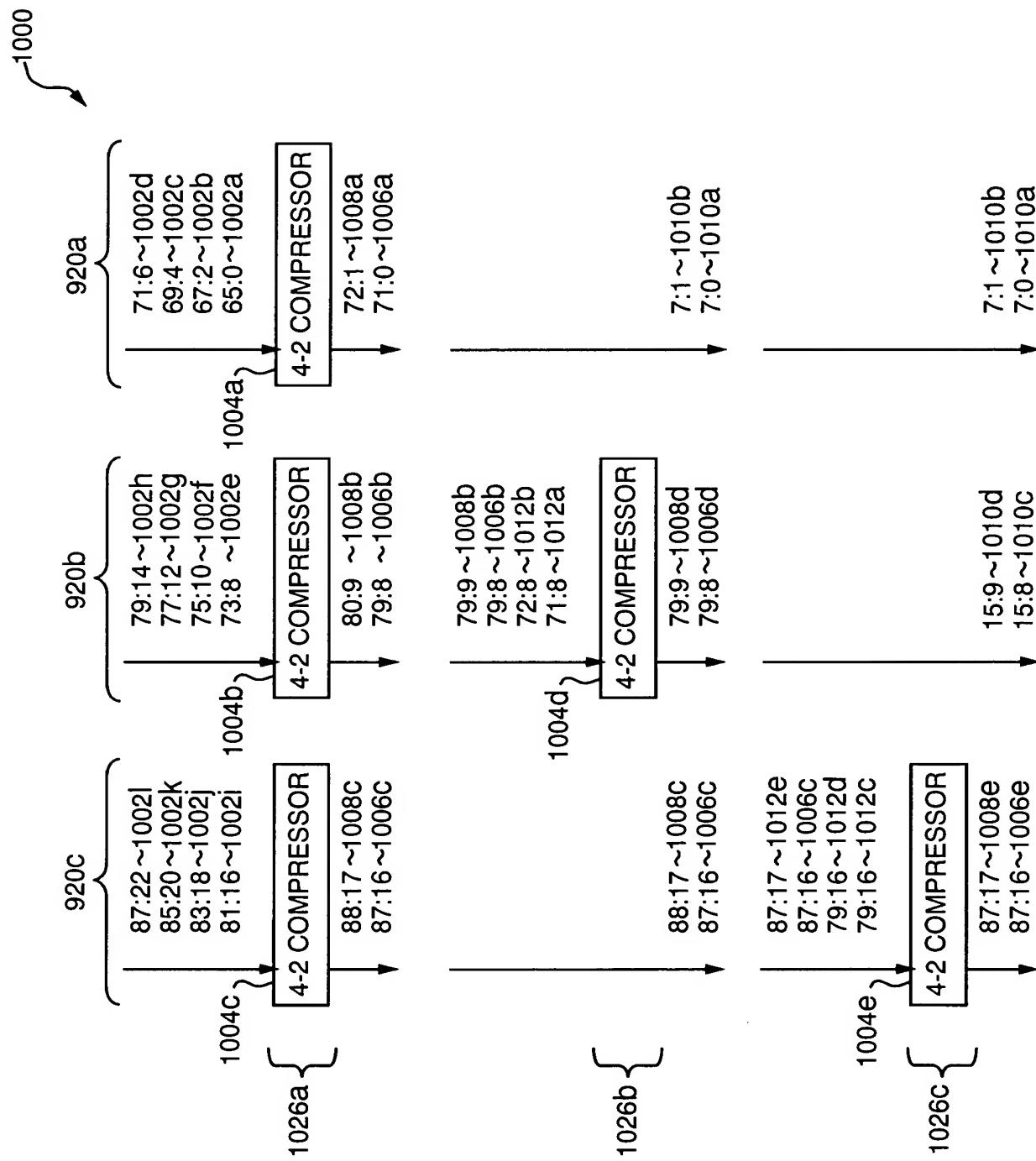


FIG. 10

12/12

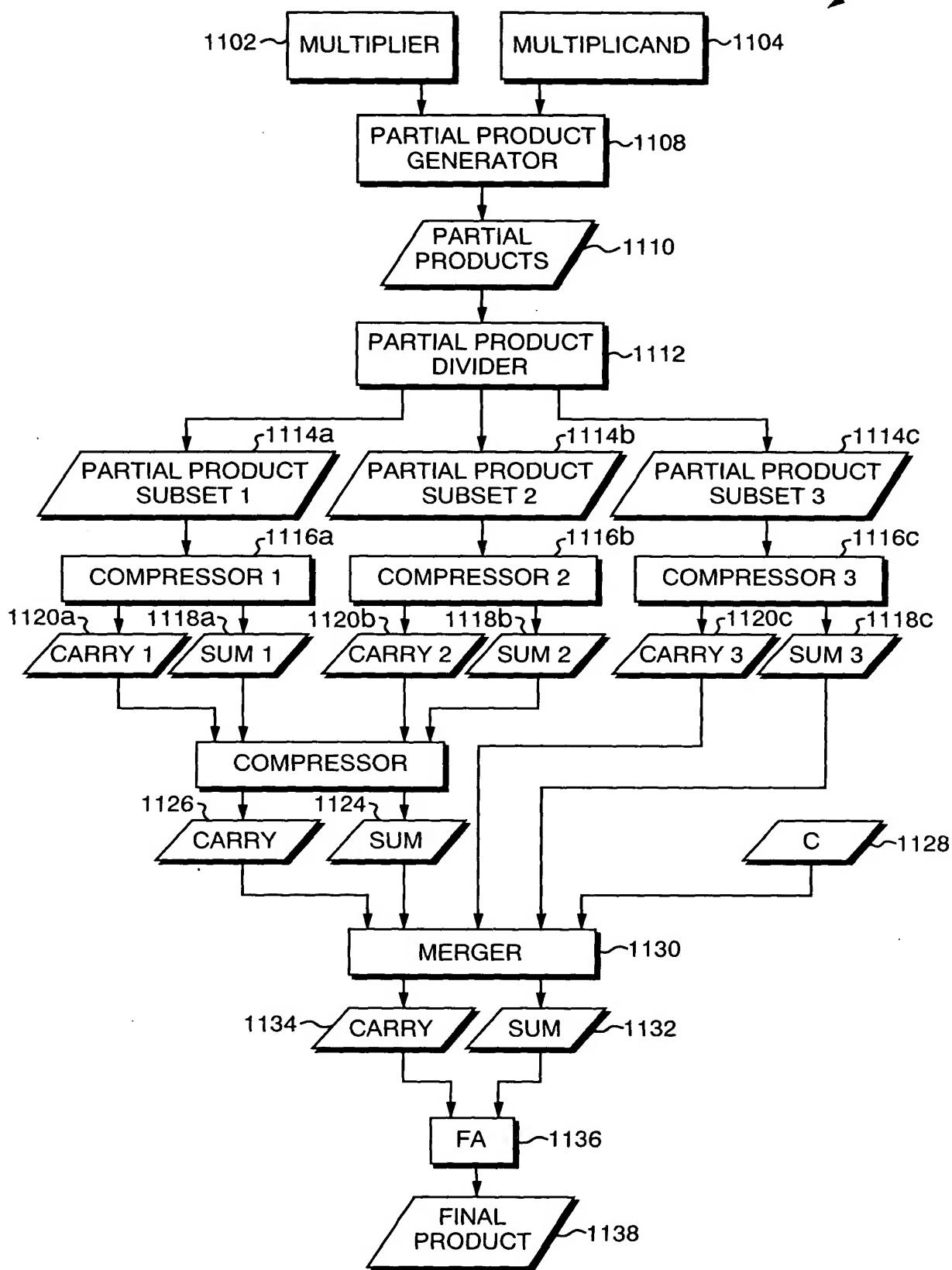


FIG. 11